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FILE 'BIOSIS' ENTERED AT 11:24:43 ON 27 JUN 2006  
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=> s nanoparticle AND raman AND (nucleic or oligonucleotide or polynucleotide or DNA)

L1 169 NANOPARTICLE AND RAMAN AND (NUCLEIC OR OLIGONUCLEOTIDE OR POLYNU CLEOTIDE OR DNA)

=> dup remove 11

PROCESSING COMPLETED FOR L1

L2 150 DUP REMOVE L1 (19 DUPLICATES REMOVED)

=> s nanoparticle (p) raman (p) (nucleic or oligonucleotide or polynucleotide or DNA)

L3 113 NANOPARTICLE (P) RAMAN (P) (NUCLEIC OR OLIGONUCLEOTIDE OR POLYNU CLEOTIDE OR DNA)

=> dup remove 13

PROCESSING COMPLETED FOR L3

L4 95 DUP REMOVE L3 (18 DUPLICATES REMOVED)

=> s 14 (p) sequenc?

L5 29 L4 (P) SEQUENC?

=> d ti 1-29

L5 ANSWER 1 OF 29 MEDLINE on STN

TI Silver nanoparticle-based ultrasensitive chemiluminescent detection of DNA hybridization and single-nucleotide polymorphisms.

L5 ANSWER 2 OF 29 MEDLINE on STN

TI Detection of human immunodeficiency virus type 1 DNA sequence using plasmonics nanoprobes.

L5 ANSWER 3 OF 29 MEDLINE on STN

TI Optical detection of thymine dinucleoside monophosphate and its cis-syn photodimer by inorganic nanoparticles.

L5 ANSWER 4 OF 29 MEDLINE on STN

TI Immobilisation and synthesis of DNA on Si(111), nanocrystalline porous silicon and silicon nanoparticles.

L5 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

TI Functionalised nanoparticles as novel biosensing materials

L5 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

TI Binding of linear, relaxed, and supercoiled pUC19 plasmid DNA to Au and Ag nanoparticles

L5 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

TI Surface enhance raman spectroscopy (SERS) of thiol-capped oligonucleotide probes

L5 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

TI Method and apparatus for nucleic acid sequencing and identification using Raman spectroscopy

L5 ANSWER 9 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

TI Nucleic acid sequencing by raman monitoring of uptake of nucleotides during molecular replication

L5 ANSWER 10 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

- TI Surface-enhanced Raman scattering for medical diagnostics and biological imaging
- L5 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Nucleic acid sequencing by Raman monitoring of uptake of precursors during molecular replication
- L5 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methods for nucleic acid sequencing by Raman spectroscopy monitoring of uptake of nucleotides during molecular replication
- L5 ANSWER 13 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methods for detecting and sequencing nucleic acids using oligonucleotide probes conjugated with Raman labels, cyanine dyes, quantum dots or nanotags
- L5 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methods for genotyping single nucleotide polymorphisms by detecting Raman labeled nucleotides probes cross-linked to nanoparticles using Raman spectroscopy
- L5 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Surface-enhanced Raman scattering molecular nanoprobes
- L5 ANSWER 16 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Optical properties of dyle labelled DNA gold nanoparticle constructs
- L5 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Polymeric SERRS beads for ultra-sensitive analysis
- L5 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Spectroscopic analysis system and method
- L5 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methods to increase nucleotide signals by Raman scattering
- L5 ANSWER 20 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methods and device for DNA sequencing using Raman spectroscopy
- L5 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Surface enhance raman spectroscopy (SERS) of thiol-capped oligonucleotide probes
- L5 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Inorganic nanomaterials for optical sensing of biological molecules in aqueous solution
- L5 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methods and device for DNA sequencing using Raman spectroscopy
- L5 ANSWER 24 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Methôds and device for nucleic acid sequencing by detecting Raman labeled nucleotides cross-linked to silver or gold nanoparticles using Raman spectroscopy
- L5 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Single molecule Raman spectroscopy using silver and gold nanoparticles
- L5 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Bioconjugated nanoparticles for biological sensing and imaging
- L5 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Thermal Desorption Behavior and Binding Properties of DNA Bases and Nucleosides on Gold

L5 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Oligonucleotide Adsorption to Gold Nanoparticles: A Surface-Enhanced Raman Spectroscopy Study of Intrinsically Bent DNA

L5 ANSWER 29 OF 29 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
TI Methods to increase nucleotide signals by raman scattering.

=> d bib 1,5,7,8,13

L5 ANSWER 1 OF 29 MEDLINE on STN  
AN 2006322828 IN-PROCESS  
DN PubMed ID: 16737231  
TI Silver nanoparticle-based ultrasensitive chemiluminescent detection of DNA hybridization and single-nucleotide polymorphisms.  
AU Liu Cheng-Hui; Li Zheng-Ping; Du Bao-An; Duan Xin-Rui; Wang Yu-Cong  
CS College of Chemistry and Environment Science, Hebei University, Baoding 071002, China.  
SO Analytical chemistry, (2006 Jun 1) Vol. 78, No. 11, pp. 3738-44.  
Journal code: 0370536. ISSN: 0003-2700.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS NONMEDLINE; IN-DATA-REVIEW; IN-PROCESS; NONINDEXED; Priority Journals  
ED Entered STN: 2 Jun 2006  
Last Updated on STN: 2 Jun 2006

L5 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:245577 CAPLUS  
TI Functionalised nanoparticles as novel biosensing materials  
AU Graham, Duncan; Dougan, Jennifer; Faulds, Karen; Karlsson, Camilla; Smith, W. Ewen; Thompson, David  
CS Department of Pure and Applied Chemistry, University of Strathclyde, Glasgow, G1 1XL, UK  
SO Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), COLL-037 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69HYEC  
DT Conference; Meeting Abstract; (computer optical disk)  
LA English

L5 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:244312 CAPLUS  
TI Surface enhance raman spectroscopy (SERS) of thiol-capped oligonucleotide probes  
AU Hrabal, Rachel; Healy, Eamonn F.  
CS Department of Chemistry, St. Edward's University, Austin, TX, 78704, USA  
SO Abstracts of Papers, 231st ACS National Meeting, Atlanta, GA, United States, March 26-30, 2006 (2006), CHED-239 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69HYEC  
DT Conference; Meeting Abstract; (computer optical disk)  
LA English

L5 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:75116 CAPLUS  
DN 144:144201  
TI Method and apparatus for nucleic acid sequencing and identification using Raman spectroscopy  
IN Su, Xing; Berlin, Andrew A.  
PA Intel Corporation, USA  
SO U.S. Pat. Appl. Publ., 14 pp.  
CODEN: USXXCO  
DT Patent

LA English  
 FAN.CNT 2  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
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 PI US 2006019247 A1 20060126 US 2002-153125 20020520  
 US 7005264 B2 20060228  
 US 2005019784 A1 20050127 US 2003-701650 20031104  
 PRAI US 2002-153125 A2 20020520  
 RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 13 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:592023 CAPLUS  
 DN 143:93536  
 TI Methods for detecting and sequencing nucleic acids using oligonucleotide probes conjugated with Raman labels, cyanine dyes, quantum dots or nanotags  
 IN Koo, Tae-Woong; Chan, Selena  
 PA USA  
 SO U.S. Pat. Appl. Publ., 23 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
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 PI US 2005147977 A1 20050707 US 2003-748525 20031229  
 PRAI US 2003-748525 20031229

=> d bib 14, 15, 17, 21, 25, 26, 28

L5 ANSWER 14 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:588333 CAPLUS  
 DN 143:93573  
 TI Methods for genotyping single nucleotide polymorphisms by detecting Raman labeled nucleotides probes cross-linked to nanoparticles using Raman spectroscopy  
 IN Su, Xing  
 PA USA  
 SO U.S. Pat. Appl. Publ., 23 pp.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 1  
 PATENT NO. KIND DATE APPLICATION NO. DATE  
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 PI US 2005147976 A1 20050707 US 2003-748374 20031229  
 WO 2005066370 A2 20050721 WO 2004-US43730 20041224  
 WO 2005066370 A3 20051103  
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,  
 CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,  
 GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
 NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,  
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 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
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 RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
 MR, NE, SN, TD, TG  
 PRAI US 2003-748374 A 20031229

L5 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:436478 CAPLUS

DN 144:346143  
TI Surface-enhanced Raman scattering molecular nanoprobes  
AU Wabuyele, Musundi B.; Yan, Fei; Griffin, Guy D.; Vo-Dinh, Tuan  
CS Oak Ridge National Lab., Oak Ridge, TN, 37831-6101, USA  
SO Proceedings of SPIE-The International Society for Optical Engineering (2005), 5692(Advanced Biomedical and Clinical Diagnostic Systems III), 209-215

CODEN: PSISDG; ISSN: 0277-786X  
PB SPIE-The International Society for Optical Engineering

DT Journal  
LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 17 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:186209 CAPLUS  
TI Polymeric SERRS beads for ultra-sensitive analysis  
AU Hernandez, Aaron; Graham, Duncan; Smith, W. Ewen; Cormack, Peter; McCabe, Ailie  
CS Department of Pure and Applied Chemistry, University of Strathclyde, Glasgow, G1 1XL, UK  
SO Abstracts of Papers, 229th ACS National Meeting, San Diego, CA, United States, March 13-17, 2005 (2005), ANYL-393 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69GQMP  
DT Conference; Meeting Abstract  
LA English

L5 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:222572 CAPLUS  
TI Surface enhance raman spectroscopy (SERS) of thiol-capped oligonucleotide probes  
AU Reyes, Emigdio; Healy, Eamonn F.  
CS Department of Chemistry, St. Edward's University, Austin, TX, 78704, USA  
SO Abstracts of Papers, 227th ACS National Meeting, Anaheim, CA, United States, March 28-April 1, 2004 (2004), CHED-252 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69FGKM  
DT Conference; Meeting Abstract  
LA English

L5 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:368045 CAPLUS  
DN 139:156658  
TI Single molecule Raman spectroscopy using silver and gold nanoparticles  
AU Kneipp, Katrin; Kneipp, Harald; Dasari, Ramachandra R.; Feld, Michael S.  
CS Massachusetts Institute of Technology, Cambridge, MA, 02139, USA  
SO Indian Journal of Physics, B (2003), 77B(1), 39-47  
CODEN: IJPBDU; ISSN: 0252-9254  
PB Indian Association for the Cultivation of Science  
DT Journal  
LA English

RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:185760 CAPLUS  
TI Bioconjugated nanoparticles for biological sensing and imaging  
AU Nie, Shuming; Doering, William E.; Maxwell, Dustin J.  
CS Dept. of Biomedical Engineering, Emory University, Atlanta, GA, 30322, USA  
SO Abstracts of Papers, 225th ACS National Meeting, New Orleans, LA, United States, March 23-27, 2003 (2003), PHYS-488 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69DSA4  
DT Conference; Meeting Abstract

LA English  
L5 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2001:823651 CAPLUS  
DN 136:81484  
TI Oligonucleotide Adsorption to Gold Nanoparticles: A Surface-Enhanced Raman Spectroscopy Study of Intrinsically Bent DNA  
AU Gearheart, Latha A.; Ploehn, Harry J.; Murphy, Catherine J.  
CS Department of Chemistry and Biochemistry, University of South Carolina, South Carolina, SC, 29208, USA  
SO Journal of Physical Chemistry B (2001), 105(50), 12609-12615  
CODEN: JPCBFK; ISSN: 1089-5647  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 89 THERE ARE 89 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 11:24:29 ON 27 JUN 2006)

FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 11:24:43 ON 27 JUN 2006

L1 169 S NANOPARTICLE AND RAMAN AND (NUCLEIC OR OLIGONUCLEOTIDE OR POL  
L2 150 DUP REMOVE L1 (19 DUPLICATES REMOVED)  
L3 113 S NANOPARTICLE (P) RAMAN (P) (NUCLEIC OR OLIGONUCLEOTIDE OR POL  
L4 95 DUP REMOVE L3 (18 DUPLICATES REMOVED)  
L5 29 S L4 (P) SEQUENC?

=> logof

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y\

'Y\' IS NOT VALID HERE

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=> logoff

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LOGOFF? (Y)/N/HOLD:y

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FULL ESTIMATED COST

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54.22

STN INTERNATIONAL LOGOFF AT 11:31:20 ON 27 JUN 2006